



## DECLARATION

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; I believe I am an original, first, and joint inventor of the subject matter of claim 151, which is claimed and for which a patent is sought on the invention entitled: CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1) the specification of which was filed on February 22, 1988, as United States Application No. 07/158,652 and Confirmation No. 3369.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims. I acknowledge the duty to disclose information, which is material to patentability as defined in 37 CFR § 1.56.

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Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. 119
UNITED KINGDOM	84 29099	November 16, 1984	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
FRANCE	84 16013	October 18, 1984	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
UNITED KINGDOM	84 23659	September 19, 1984	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
UNITED KINGDOM	83 24800	September 15, 1983	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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07/999,410	December 31, 1992	Pending
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06/771,230	August 30, 1985	Abandoned
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**BEST AVAILABLE COPY**

Full Name of First Inventor: Robert C. Gallo	Inventor's Signature <i>Robert C. Gallo</i>	Date May 31, 06
Residence 9100 Aldershot Drive, Bethesda, Maryland 20817-1902		Citizenship United States
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Full Name of Second Inventor Mikulas Popovic	Inventor's Signature	Date
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Post Office Address 9917 Holmhurst Road, Bethesda, Maryland 20817		
Full Name of Third Inventor: Mangalasseril G. Sarngadharan	Inventor's Signature	Date
Residence 8422 Holly Leaf Drive, McLean, Virginia 22102-2224		Citizenship United States
Post Office Address 8422 Holly Leaf Drive, McLean, Virginia 22102-2224		
Full Name of Fourth Inventor: Solange Chamaret	Inventor's Signature	Date
Residence 138 boulevard Voltaire, 750M Paris, France		Citizenship French
Post Office Address 138 boulevard Voltaire, 750M Paris, France		
Full Name of Fifth Inventor: Claudine Axler-Blin	Inventor's Signature	Date
Residence 137 rue Lecourbe, 75015 Paris, France		Citizenship French
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Full Name of Sixth Inventor Francoise Rey	Inventor's Signature	Date
Residence 84 boulevard du Redon-Le Floucat-Allee des Pins, 13009 Marseille, France		Citizenship French
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Full Name of Seventh Inventor: Marie-Therese Nugeyre	Inventor's Signature	Date
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Post Office Address 92130 Issy-les-Moulineaux, France		
Full Name of Eighth Inventor Jacqueline Gruet (Deceased) Jacques Gruet (Legal Successor)	Inventor's Signature	Date
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Full Name of Ninth Inventor: Charles Dauguet	Inventor's Signature	Date
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Full Name of Tenth Inventor Willy Rozenbaum	Inventor's Signature	Date
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Full Name of Thirteenth Inventor: Luc Montagnier	Inventor's Signature	Date
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Full Name of Fifteenth Inventor: Francoise Barre-Sinoussi	Inventor's Signature	Date
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Full Name of Seventeenth Inventor: Marc Alizon	Inventor's Signature	Date
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Full Name of Twenty-First Inventor: Oliver Danos	Inventor's Signature	Date
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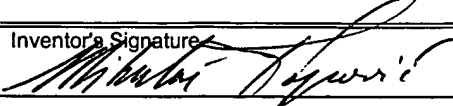
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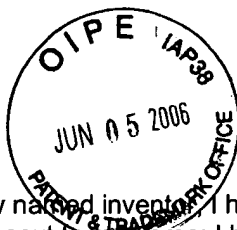
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Post Office Address 9100 Aldershot Drive, Bethesda, Maryland 20817-1902		
Full Name of Second Inventor Mikulas Popovic	Inventor's Signature	Date
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Post Office Address 9917 Holmhurst Road, Bethesda, Maryland 20817		
Full Name of Third Inventor: Mangalasseril G. Samgadharan	Inventor's Signature	Date
Residence 8422 Holly Leaf Drive, McLean, Virginia 22102-2224		Citizenship United States
Post Office Address 8422 Holly Leaf Drive, McLean, Virginia 22102-2224		
Full Name of Fourth Inventor: Solange Chamaret	Inventor's Signature <i>S Chamaret</i>	Date 2-4-05-01
Residence 138 boulevard Voltaire, 750M Paris, France		Citizenship French
Post Office Address 138 boulevard Voltaire, 750M Paris, France		
Full Name of Fifth Inventor: Claudine Axler-Blin	Inventor's Signature	Date
Residence 137 rue Lecourbe, 75015 Paris, France		Citizenship French
Post Office Address 137 rue Lecourbe, 75015 Paris, France		
Full Name of Sixth Inventor Francoise Rey	Inventor's Signature	Date
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Full Name of Seventh Inventor: Marie-Therese Nugeyre	Inventor's Signature	Date
Residence 92130 Issy-les-Moulineaux, France		Citizenship French
Post Office Address 92130 Issy-les-Moulineaux, France		
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Full Name of Seventeenth Inventor: Marc Alizon	Inventor's Signature	Date
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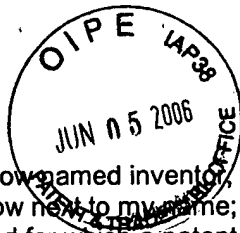
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Full Name of Fifth Inventor: Claudine Axler-Blin	Inventor's Signature <i>C. Axler-Blin</i>	Date 26 Jan 2006
Residence 137 rue Lecourbe, 75015 Paris, France		Citizenship French
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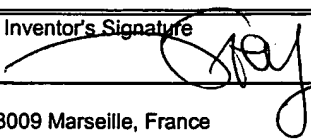
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Full Name of Sixth Inventor Francoise Rey	Inventor's Signature 	Date 29-5-2006
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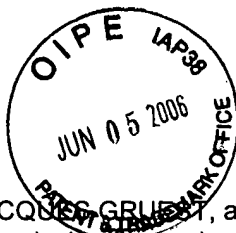
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Full Name of Thirteenth Inventor: Luc Montagnier	Inventor's Signature	Date
Residence 21 rue de Malabry, 92350 Le Plessis-Robinson, France		Citizenship French
Post Office Address 21 rue de Malabry, 92350 Le Plessis-Robinson, France		
Full Name of Fourteenth Inventor Jean-Claude Chermann	Inventor's Signature	Date
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Full Name of Fifteenth Inventor: Francoise Barre-Sinoussi	Inventor's Signature	Date
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Post Office Address 104 de Capricorne, 50 rue d'Érevan, 92130 Issy les Moulineaux, Franch		
Full Name of Sixteenth Inventor Pierre Tiollais	Inventor's Signature	Date
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Full Name of Seventeenth Inventor: Marc Alizon	Inventor's Signature	Date
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Full Name of Nineteenth Inventor: Simon Wain-Hobson	Inventor's Signature	Date
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Full Name of Twentieth Inventor Stewart Cole	Inventor's Signature	Date
Residence 23 bis rue Cécile Dunant, 92140 Clahart, France		Citizenship United Kingdom
Post Office Address 23 bis rue Cécile Dunant, 92140 Clahart, France		
Full Name of Twenty-First Inventor: Oliver Danos	Inventor's Signature	Date
Residence 173 rue Saint Merry, 7730 Fontainebleau, France		Citizenship French
Post Office Address 173 rue Saint Merry, 7730 Fontainebleau, France		



## DECLARATION

I, JACQUES GRUEST, as the heir of JACQUELINE GRUEST, who is deceased, do hereby make the following declaration on her behalf:

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; I believe I am an original, first, and joint inventor of the subject matter, which is claimed and for which a patent is sought on the invention entitled: CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1) the specification of which was filed on February 22, 1988, as United States Application No. 07/158,652 and Confirmation No. 3369.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims. I acknowledge the duty to disclose information, which is material to patentability as defined in 37 CFR § 1.56.

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UNITED KINGDOM	84 23659	September 19, 1984	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
UNITED KINGDOM	83 24800	September 15, 1983	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional applications listed below:

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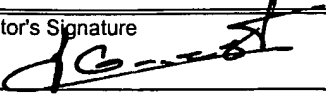
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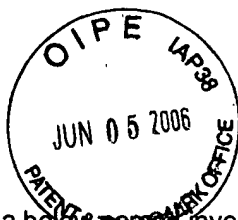
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Residence 9100 Aldershot Drive, Bethesda, Maryland 20817-1902		Citizenship United States
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Full Name of Second Inventor Mikulas Popovic	Inventor's Signature	Date
Residence 9917 Holmhurst Road, Bethesda, Maryland 20817		Citizenship United States
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Full Name of Third Inventor: Mangalasseril G. Sarnadharan	Inventor's Signature	Date
Residence 8422 Holly Leaf Drive, McLean, Virginia 22102-2224		Citizenship United States
Post Office Address 8422 Holly Leaf Drive, McLean, Virginia 22102-2224		
Full Name of Fourth Inventor: Solange Chamaret	Inventor's Signature	Date
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Full Name of Seventh Inventor: Marie-Therese Nugeyre	Inventor's Signature	Date
Residence 92130 Issy-les-Moulineaux, France		Citizenship French
Post Office Address 92130 Issy-les-Moulineaux, France		

Full Name of Eighth Inventor Jacqueline Gruet (Deceased) Jacques Gruet (Legal Successor)	Inventor's Signature 	Date 25.05.2006
Residence Grue du Gué, 94240 L'Hay les Roses, France		Citizenship French
Post Office Address Grue du Gué, 94240 L'Hay les Roses, France		
Full Name of Ninth Inventor: Charles Dauguet	Inventor's Signature	Date
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Residence 92130 Issy-les-Moulineaux, France		Citizenship French
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Full Name of Eighth Inventor Jacqueline Gruet (Deceased) Jacques Gruet (Legal Successor)	Inventor's Signature	Date
Residence Grue du Gué, 94240 L'Hay les Roses, France		Citizenship French
Post Office Address Grue du Gué, 94240 L'Hay les Roses, France		

Full Name of Ninth Inventor: Charles Dauguet	Inventor's Signature <i>Charles Dauguet</i>	Date 26 Mar 2006
Residence 137 rue Lecourbe, 75015 Paris, France		Citizenship French
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Full Name of Tenth Inventor Willy Rosenbaum	Inventor's Signature	Date
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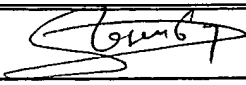
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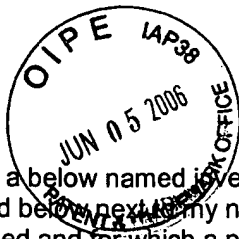
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Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. 119
UNITED KINGDOM	84 29099	November 16, 1984	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
FRANCE	84 16013	October 18, 1984	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
UNITED KINGDOM	84 23659	September 19, 1984	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
UNITED KINGDOM	83 24800	September 15, 1983	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional applications listed below:

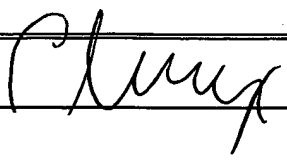
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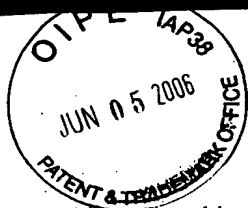
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Residence 9100 Aldershot Drive, Bethesda, Maryland 20817-1902		Citizenship United States
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Full Name of Second Inventor Mikulas Popovic	Inventor's Signature	Date
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Post Office Address 9917 Holmhurst Road, Bethesda, Maryland 20817		
Full Name of Third Inventor: Mangalasseril G. Samgadharan	Inventor's Signature	Date
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Full Name of Sixth Inventor Francoise Rey	Inventor's Signature	Date
Residence 84 boulevard du Redon-Le Floucat-Allee des Pins, 13009 Marseille, France		Citizenship French
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Full Name of Seventh Inventor: Marie-Therese Nugeyre	Inventor's Signature	Date
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Post Office Address 92130 Issy-les-Moulineaux, France		
Full Name of Eighth Inventor Jacqueline Gruet (Deceased) Jacques Gruet (Legal Successor)	Inventor's Signature	Date
Residence Grue du Gué, 94240 L'Hay les Roses, France		Citizenship French
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Full Name of Ninth Inventor: Charles Dauguet	Inventor's Signature	Date
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Full Name of Tenth Inventor Willy Rosenbaum	Inventor's Signature	Date
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Full Name of Eleventh Inventor: Christine Rouzioux	Inventor's Signature 	Date 30 Mai 2006
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Full Name of Twelfth Inventor Francois Brun-Vezinet	Inventor's Signature	Date
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Full Name of Thirteenth Inventor: Luc Montagnier	Inventor's Signature	Date
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Residence 16 rue de la Glaciere, 75013 Paris, France		Citizenship French
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Full Name of Seventeenth Inventor: Marc Alizon	Inventor's Signature	Date
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Customer Number 22,852  
Attorney Docket No. 3495.0010-01

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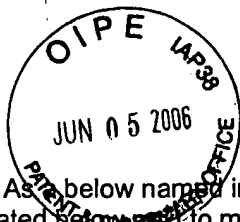
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Full Name of Twelfth Inventor Francois Brun-Vezinet	Inventor's Signature <i>FRANÇOISE BRUN VEZINET</i>	Date 05/06
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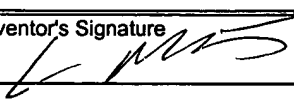
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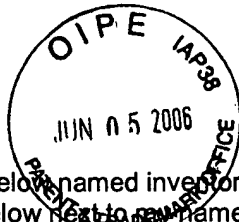
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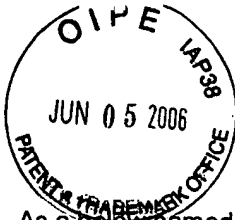
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Full Name of Second Inventor Mikulas Popovic	Inventor's Signature	Date
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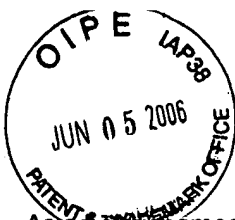
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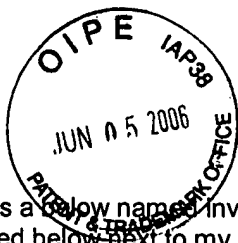
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Residence 92130 Issy-les-Moulineaux, France		Citizenship French
Post Office Address 92130 Issy-les-Moulineaux, France		
Full Name of Eighth Inventor Jacqueline Gruet (Deceased) Jacques Gruet (Legal Successor)	Inventor's Signature	Date
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Full Name of Ninth Inventor: Charles Dauguet	Inventor's Signature	Date
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Full Name of Eleventh Inventor: Christine Rouzioux	Inventor's Signature	Date
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Full Name of Seventeenth Inventor: Marc Alizon	Inventor's Signature 	Date 31.5.2006
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Post Office Address 26 rue Censier, 75005 Paris, France		
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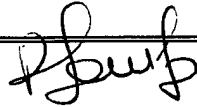
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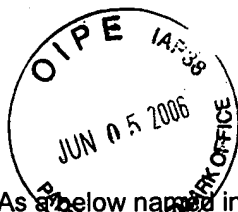
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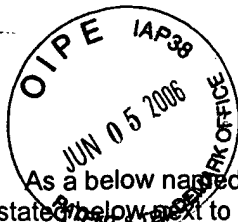
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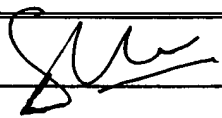
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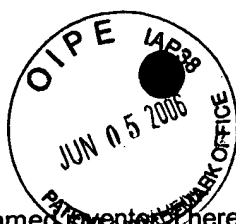
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Residence 104 de Capricorne, 50 rue d'Érevan, 92130 Issy les Moulineaux, Franch		Citizenship French
Post Office Address 104 de Capricorne, 50 rue d'Érevan, 92130 Issy les Moulineaux, Franch		
Full Name of Sixteenth Inventor Pierre Tiollais	Inventor's Signature	Date
Residence 16 rue de la Glaciere, 75013 Paris, France		Citizenship French
Post Office Address 16 rue de la Glaciere, 75013 Paris, France		

Full Name of Seventeenth Inventor: Marc Alizon	Inventor's Signature	Date
Residence 26 rue Censier, 75005 Paris, France		Citizenship French
Post Office Address 26 rue Censier, 75005 Paris, France		
Full Name of Eighteenth Inventor Pierre Sonigo	Inventor's Signature	Date
Residence 21 rue Gutenberg, 75015 Paris, France		Citizenship French
Post Office Address 21 rue Gutenberg, 75015 Paris, France		
Full Name of Nineteenth Inventor: Simon Wain-Hobson	Inventor's Signature	Date
Residence 3 rue Jean de la Fontaine, 78180 Montigny le Bretonneux, France		Citizenship United Kingdom
Post Office Address 3 rue Jean de la Fontaine, 78180 Montigny le Bretonneux, France		
Full Name of Twentieth Inventor Stewart Cole	Inventor's Signature 	Date 29.04.06
Residence 23 bis rue Cécile Dunant, 92140 Clahart, France		Citizenship United Kingdom
Post Office Address 23 bis rue Cécile Dunant, 92140 Clahart, France		
Full Name of Twenty-First Inventor: Oliver Danos	Inventor's Signature	Date
Residence 173 rue Saint Merry, 7730 Fontainebleau, France		Citizenship French
Post Office Address 173 rue Saint Merry, 7730 Fontainebleau, France		





## DECLARATION

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; I believe I am an original, first, and joint inventor of the subject matter, which is claimed and for which a patent is sought on the invention entitled: CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1) the specification of which was filed on February 22, 1988, as United States Application No. 07/158,652 and Confirmation No. 3369.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims. I acknowledge the duty to disclose information, which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT international application(s) designating at least one country other than the United States, listed below and have also identified below, any foreign application(s) for patent or inventor's certificate, or any PCT International application(s) having a filing date before that of the application(s) of which priority is claimed:

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. 119
UNITED KINGDOM	84 29099	November 16, 1984	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
FRANCE	84 16013	October 18, 1984	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
UNITED KINGDOM	84 23659	September 19, 1984	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
UNITED KINGDOM	83 24800	September 15, 1983	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional applications listed below:

Application Number	Date of Filing

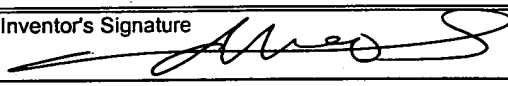
I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application(s) and the national or PCT International filing date of this application:

Application Number	Date of Filing	Status (Patented, Pending, Abandoned)
06/771,248	August 30, 1985	Abandoned
07/999,410	December 31, 1992	Pending
07/499,210	March 19, 1990	Pending
06/771,230	August 30, 1985	Abandoned
06/706,562	February 28, 1985	Abandoned
06/558,109	December 5, 1983	Abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of First Inventor: Robert C. Gallo	Inventor's Signature	Date
Residence 9100 Aldershot Drive, Bethesda, Maryland 20817-1902		Citizenship United States
Post Office Address 9100 Aldershot Drive, Bethesda, Maryland 20817-1902		
Full Name of Second Inventor Mikulas Popovic	Inventor's Signature	Date
Residence 9917 Holmhurst Road, Bethesda, Maryland 20817		Citizenship United States
Post Office Address 9917 Holmhurst Road, Bethesda, Maryland 20817		
Full Name of Third Inventor: Mangalasseril G. Samgadharan	Inventor's Signature	Date
Residence 8422 Holly Leaf Drive, McLean, Virginia 22102-2224		Citizenship United States
Post Office Address 8422 Holly Leaf Drive, McLean, Virginia 22102-2224		
Full Name of Fourth Inventor: Solange Chamaret	Inventor's Signature	Date
Residence 138 boulevard Voltaire, 750M Paris, France		Citizenship French
Post Office Address 138 boulevard Voltaire, 750M Paris, France		
Full Name of Fifth Inventor: Claudine Axler-Blin	Inventor's Signature	Date
Residence 137 rue Lecourbe, 75015 Paris, France		Citizenship French
Post Office Address 137 rue Lecourbe, 75015 Paris, France		
Full Name of Sixth Inventor Francoise Rey	Inventor's Signature	Date
Residence 84 boulevard du Redon-Le Floucat-Allee des Pins, 13009 Marseille, France		Citizenship French
Post Office Address 84 boulevard du Redon-Le Floucat-Allee des Pins, 13009 Marseille, France		
Full Name of Seventh Inventor: Marie-Therese Nugeyre	Inventor's Signature	Date
Residence 92130 Issy-les-Moulineaux, France		Citizenship French
Post Office Address 92130 Issy-les-Moulineaux, France		
Full Name of Eighth Inventor Jacqueline Gruet (Deceased) Jacques Gruet (Legal Successor)	Inventor's Signature	Date
Residence Grue du Gué, 94240 L'Hay les Roses, France		Citizenship French
Post Office Address Grue du Gué, 94240 L'Hay les Roses, France		

Full Name of Ninth Inventor: Charles Dauguet	Inventor's Signature	Date
Residence 137 rue Lecourbe, 75015 Paris, France		Citizenship French
Post Office Address 137 rue Lecourbe, 75015 Paris, France		
Full Name of Tenth Inventor Willy Rosenbaum	Inventor's Signature	Date
Residence 20 rue de Sucy, 94430 Chennnevières-sur-Marne, France		Citizenship French
Post Office Address 20 rue de Sucy, 94430 Chennnevières-sur-Marne, France		
Full Name of Eleventh Inventor: Christine Rouzioux	Inventor's Signature	Date
Residence 21 rue de Dantzig, 75015 Paris, France		Citizenship French
Post Office Address 21 rue de Dantzig, 75015 Paris, France		
Full Name of Twelfth Inventor Francois Brun-Vezinet	Inventor's Signature	Date
Residence 24 boulevard Saint Germain, 75005 Paris, France		Citizenship French
Post Office Address 24 boulevard Saint Germain, 75005 Paris, France		
Full Name of Thirteenth Inventor: Luc Montagnier	Inventor's Signature	Date
Residence 21 rue de Malabry, 92350 Le Plessis-Robinson, France		Citizenship French
Post Office Address 21 rue de Malabry, 92350 Le Plessis-Robinson, France		
Full Name of Fourteenth Inventor Jean-Claude Chermann	Inventor's Signature	Date
Residence Le Messuguet, 22 rue Cardalino, 13260 Cassis, France		Citizenship French
Post Office Address Le Messuguet, 22 rue Cardalino, 13260 Cassis, France		
Full Name of Fifteenth Inventor: Francoise Barre-Sinoussi	Inventor's Signature	Date
Residence 104 de Capricorne, 50 rue d'Érevan, 92130 Issy les Moulineaux, Franch		Citizenship French
Post Office Address 104 de Capricorne, 50 rue d'Érevan, 92130 Issy les Moulineaux, Franch		
Full Name of Sixteenth Inventor Pierre Tiollais	Inventor's Signature	Date
Residence 16 rue de la Glaciere, 75013 Paris, France		Citizenship French
Post Office Address 16 rue de la Glaciere, 75013 Paris, France		

Full Name of Seventeenth Inventor: Marc Alizon	Inventor's Signature	Date
Residence 26 rue Censier, 75005 Paris, France		Citizenship French
Post Office Address 26 rue Censier, 75005 Paris, France		
Full Name of Eighteenth Inventor: Pierre Sonigo	Inventor's Signature	Date
Residence 21 rue Gutenberg, 75015 Paris, France		Citizenship French
Post Office Address 21 rue Gutenberg, 75015 Paris, France		
Full Name of Nineteenth Inventor: Simon Wain-Hobson	Inventor's Signature	Date
Residence 3 rue Jean de la Fontaine, 78180 Montigny le Bretonneux, France		Citizenship United Kingdom
Post Office Address 3 rue Jean de la Fontaine, 78180 Montigny le Bretonneux, France		
Full Name of Twentieth Inventor: Stewart Cole	Inventor's Signature	Date
Residence 23 bis rue Cécile Dunant, 92140 Clahart, France		Citizenship United Kingdom
Post Office Address 23 bis rue Cécile Dunant, 92140 Clahart, France		
Full Name of Twenty-First Inventor: Oliver Danos	Inventor's Signature 	Date June 1 <sup>st</sup> 2006
Residence 173 rue Saint Merry, 7730 Fontainebleau, France		Citizenship French
Post Office Address 173 rue Saint Merry, 7730 Fontainebleau, France		



PATENT  
Customer No. 22,852  
Attorney Docket No. 3495.0010-01

In re Application of: )  
Marc ALIZON et al. ) Group Art Unit: 1637  
Application No.: 07/158,652 ) Examiner: Jeffrey Norman Fredman  
Filed: February 22, 1988 ) Confirmation No.: 3369  
For: CLONED DNA SEQUENCE )  
RELATED TO THE GENOMIC RNA )  
OF HUMAN IMMUNODEFICIENCY )  
VIRUS TYPE 1 (HIV-1)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**SUBMISSION UNDER 37 C.F.R. § 3.73(b)**

Institut Pasteur, duly organized under the laws of France and having its principal place of business at 28, rue du Docteur Roux, 75724 Paris Cedex 15, France, submits that it, together with the United States of America as represented by the Secretary of the Department of Health and Human Services, are the Assignees and owners of 100% of the right, title, and interest in the patent application identified above. Institut Pasteur's ownership interest is evidenced by:

An Assignment from the inventors to Institut Pasteur and Centre Nationale de la Recherche Scientifique, jointly, which was recorded in the Patent and Trademark Office at Reel 016769, Frame 0280, on July 14, 2005; copies of the recorded Assignment and the Notice of Recordation are attached hereto as Exhibit A; and

An Assignment from Centre Nationale de la Recherche Scientifique, having its principal place of business at 3, Rue Michel-Ange, 75794 Paris, Cedex 16, France, to Institut Pasteur, a copy of which is attached hereto as Exhibit B; and

Assignments from Solange Chamaret, Claudine Axler-Blin, Françoise Rey, Marie Therese Nugeyre, Jacqueline Gruet, Charles Dauguet, Willy Rozenbaum, Christine Rouzioux, Françoise Brun-Vezinet, Luc Montagnier, Jean-Claude Chermann, Françoise Barre-Sinoussi, and Pierre Tiollais, who are being added as inventors to the patent application identified above, to Institut Pasteur; copies of these Assignments are included in Exhibit C attached hereto.

The undersigned is authorized to act on behalf of the assignee, Institut Pasteur.

I hereby declare that all statements made of my own knowledge and belief are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

*A. Dautry*

By: \_\_\_\_\_  
Name: Alice Dautry  
Title: President  
Assignee: Institut Pasteur

Dated: \_\_\_\_\_

*June 18<sup>th</sup>, 2006*

7.14.05

U.S. Department of Commerce Patent and Trademark Office Atty. Docket No. 3485.0010-15 Attorney Customer Number: 22.85	
Mail Stop Assignment Recordation Services	
07-19-2005 103042708	
To the Director of the U.S. Patent and Trademark Office Please record the attached original	
1. Name of conveying party(ies): 1. Marc ALIZON 2. Pierre SONIGO 3. Cole STEWART 4. Oliver DANOS 5. Simon WAIN-HOBSON	2. Name and address of receiving party(ies): 1. Institut Pasteur 25-28, rue du Doctor Roux 75724 Paris Cedex 15, France 2. Centre Nationale de la Recherche Scientifique 15, Quai Anatole France 75007 Paris, France
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: [Describe]	
Execution Date: February 7, 1986	
Additional name(s) & Address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application: A. Patent Application Number(s): 1. Appin. No. 06/771,248 (08/30/1985) B. Patent Number(s): 1. US No. 5,980,900 (11/09/1999) Additional numbers attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Salvatore J. Arrigo, Reg. No. 48,063 Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. Street Address: 901 New York Avenue, N.W. City: Washington, D.C. State: Zip: 20001-4413	
6. Total number of applications and registrations involved: 14 7. Total fee (37 CFR 1.21(h) and 3.41): \$560 (\$40 x 14) <input checked="" type="checkbox"/> Enclosed (Please charge deficiency to deposit account 06-0916) <input type="checkbox"/> Authorized to be charged to deposit account	
8. Deposit Account No.: 06-0916	
9. Statement and signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. 07/18/2005 1:07PM 00000140 5980900 01 FC-8021 560.00 DP Salvatore J. Arrigo Signature 7/14/05 Date Total number of pages including cover sheet, attachments and documents: 3	

01/2/005

4. Application/Patent Numbers (Continued)

Patent Applications

2. Appln. No. 07/158,652 (02/22/1998)
3. Appln. No. 08/026,736 (03/04/1993)
4. Appln. No. 08/051,226 (04/23/1993)
5. Appln. No. 08/156,930 (11/24/1993)
6. Appln. No. 08/308,218 (09/19/1994)
7. Appln. No. 08/308,219 (09/19/1994)
8. Appln. No. 08/475,822 (06/07/1995)

Issued Patents

2. US No. 5,705,612 (01/06/1998)
3. US No. 6,894,152 (02/25/1994)
4. US No. 6,555,112 (04/29/2003)
5. US No. 6,261,564 (07/17/2001)
6. US No. 6,706,268 (03/16/2004)



**ASSIGNMENT**  
**FOR UNFILED APPLICATION FOR UNITED STATES PATENT**  
 (Sole or Joint Inventors)

ALL NAME(S) AND  
 OFFICE ADDRESS(ES)  
 OF INVENTOR(S)  
 (including country)

**WHEREAS:**

- ALIZON Marc, 71, rue du Cardinal Lemoine 75005 PARIS (France)
- SONIGO Pierre 23, rue Gutenberg 75015 PARIS (France)
- STEWART Cole  
 48is Villa Denise 92320 CHATILLON (France)
- DANOS Oliver 1, Place Rollet 75015 PARIS (France)
- WAIN-HOBSON Simon 3, rue Jean de la Fontaine  
 78180 MONTIGNY LES BRETONNEUX (France)

FILE OF  
 INVENTION

(hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled:

**CLONED DNA SEQUENCES RELATED TO THE GENOMIC RNA OF  
 LYMPHADENOPATHY-ASSOCIATED VIRUS(LAV) AND... RNA**

for which application for Letters Patent of the United States has been executed on ~~XXXXXX~~  
~~XXXXXX~~, August 30, 1985,

ALL NAME AND  
 ADDRESS (including  
 country) OF  
 SIGNEE

**INSTITUT PASTEUR**  
 25-28, rue du Dr. Roux  
**WHEREAS:** 75724 PARIS CEDEX 15 (France) and

**CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE**  
 15, Quai Anatole France  
 75007 PARIS (France)

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this 7-2-1986  
 (Date of Signing)

DATE OF SIGNING  
 as above by the same  
 the date of signing  
 the date of signing  
 and not of the power of  
 attorney application.

(INITIALS)  
 or signature(s) must  
 correspond with the  
 name of the  
 inventor above.

*Stewart Cole*

*Pierre SONIGO*

*Alison Marc*

*Simon Wain-Hobson*

*Oliver Danos*

*Simon Wain-Hobson*

NOTE: No witnessing, notarization or legalization is necessary, but can be included if desired as a convenience.

RECORDED: 07/14/2005

PATENT  
 REEL: 016769 FRAME: 0282

**ASSIGNMENT**

WHEREAS, by virtue of an Assignment recorded in the United States Patent and Trademark Office on Reel 016769, Frames 0280-282, on July 14, 2005, Centre Nationale de la Recherche Scientifique (hereinafter referred to as ASSIGNOR), is the owner of rights, title, and interest in United States Patent Application Serial No. 07/158,652, filed February 22, 1988, (Attorney Docket No. 3495.0010-01), in the name of Marc Alizon, Pierre Sonigo, Cole Stewart, Oliver Danos, and Simon Wain-Hobson and entitled **CLONED DNA SEQUENCES RELATED TO THE GENOMIC RNA OF LYMPHADENOPATHY ASSOCIATED VIRUS (LAV) AND PROTEINS ENCODED BY SAID LAV GENOMIC RNA.**

WHEREAS, Institut Pasteur (hereinafter referred to as ASSIGNEE), is desirous of acquiring from ASSIGNOR the ASSIGNOR's rights, title, and interest in, to and under the aforesaid patent application and the invention therein in the United States of America and its territories and possessions.

NOW THEREFORE, in consideration of good and valuable consideration, receipt of which from ASSIGNEE is acknowledged by ASSIGNOR, ASSIGNOR hereby sells, assigns, and transfers to the ASSIGNEE, its lawful successors and assigns, all of ASSIGNOR's rights to said invention in the United States, its territories and possessions, and all of ASSIGNOR's rights, title, and interest in and to said United States patent application Serial No. 07/158,652, filed February 22, 1988, and in and to any Letters Patent, which may be granted therefor in the United States, its territories and possessions, and in and to reissues, reexaminations, and extensions thereof.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all of said Letters Patent, when granted, to said ASSIGNEE, its lawful successors and assigns as the assignee of the entire right, title, and interest in and to the same, for the sole use and enjoyment of said ASSIGNEE, its lawful successors and assigns.

Furthermore, ASSIGNOR agrees that it will communicate to said ASSIGNEE, or its representatives, any facts known to ASSIGNOR respecting said invention, and, at ASSIGNEE's expense, testify in any legal proceedings, sign all lawful papers, execute all reissue, reexamination and extension applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, its lawful successors and assigns, to obtain and enforce proper protection for said invention in the United States, its territories and possessions.

IN WITNESS WHEREOF, ASSIGNOR has hereunto set its hand this 31<sup>st</sup> day of May, 2006.

Centre Nationale de la Recherche  
Scientifique

By: \_\_\_\_\_

**Marc J. LEDOUX**

Title: \_\_\_\_\_

*Chargé de  
Mission.*

WITNESS: \_\_\_\_\_

TITLE: \_\_\_\_\_

*[Signature]*  
Responsable du Pilotage  
de la Valorisation

Frederic FOUBERT

2



JOINT INVENTION  
Attorney Docket No. 3495.0010-01

### ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

**CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)**

for which an application for United States Letters Patent was filed on February 22, 1988 (Application No. 07/158,652); and

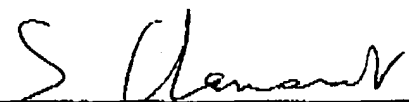
WHEREAS, Institut Pasteur, whose post office address is 28, rue du Docteur Roux, 75724 Paris Cedex 15, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;


NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States, which may be granted thereon, and all reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

  
\_\_\_\_\_  
Solange Chamaret

  
\_\_\_\_\_  
Date

JOINT INVENTION  
Attorney Docket No. 3495.0010-01

### ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

**CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)**

for which an application for United States Letters Patent was filed on February 22, 1988 (Application No. 07/158,652); and

WHEREAS, Institut Pasteur, whose post office address is 28, rue du Docteur Roux, 75724 Paris Cedex 15, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States, which may be granted thereon, and all reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

*C. Axler-Blin*

Claudine Axler-Blin

*26 Mai 2006*

Date

JOINT INVENTION  
Attorney Docket No. 3495.0010-01

### ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

**CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)**

for which an application for United States Letters Patent was filed on February 22, 1988 (Application No. 07/158,652); and

WHEREAS, Institut Pasteur, whose post office address is 28, rue du Docteur Roux, 75724 Paris Cedex 15, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States, which may be granted thereon, and all reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Françoise Rey

Date

JOINT INVENTION  
Attorney Docket No. 3495.0010-01

### ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

**CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)**

for which an application for United States Letters Patent was filed on February 22, 1988 (Application No. 07/158,652); and

WHEREAS, Institut Pasteur, whose post office address is 28, rue du Docteur Roux, 75724 Paris Cedex 15, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States, which may be granted thereon, and all reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

  
\_\_\_\_\_  
Marie-Therese Nugeyre

May 29 2006  
Date

JOINT INVENTION  
Attorney Docket No. 3495.0010-01

### ASSIGNMENT

WHEREAS, JACQUELINE GRUEST, [hereinafter referred to as Assignor], made an invention entitled:

**CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)**

for which an application for United States Letters Patent was filed on February 22, 1988 (Application No. 07/158,652); and

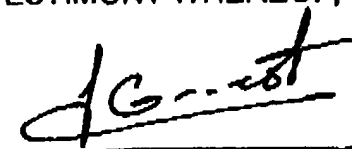
WHEREAS, Institut Pasteur, whose post office address is 28, rue du Docteur Roux, 75724 Paris Cedex 15, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States, which may be granted thereon, and all reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand.



Jacqueline Gruest

By: Jacques Gruest, Heir to the Estate of  
Jacqueline Gruest, Deceased

Date 25.05.2006



### ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

**CLOINED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)**

for which an application for United States Letters Patent was filed on February 22, 1988 (Application No. 07/158,652); and

WHEREAS, Institut Pasteur, whose post office address is 28, rue du Docteur Roux, 75724 Paris Cedex 15, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States, which may be granted thereon, and all reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

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AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention; and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

  
Charles Dauguet

26 Mai 2006  
Date

JOINT INVENTION  
Attorney Docket No. 3495.0010-01

### ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

**CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)**

for which an application for United States Letters Patent was filed on February 22, 1988 (Application No. 07/158,652); and

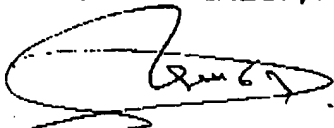
WHEREAS, Institut Pasteur, whose post office address is 28, rue du Docteur Roux, 75724 Paris Cedex 15, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States, which may be granted thereon, and all reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

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IN TESTIMONY WHEREOF, I have hereunto set my hand.



Willy Rozenbaum

25 May 2006  
Date

JOINT INVENTION  
Attorney Docket No. 3495.0010-01

### ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

**CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)**

for which an application for United States Letters Patent was filed on February 22, 1988 (Application No. 07/158,652); and

WHEREAS, Institut Pasteur, whose post office address is 28, rue du Docteur Roux, 75724 Paris Cedex 15, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

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IN TESTIMONY WHEREOF, I have hereunto set my hand.

  
Christine Rouzioux

20 05 2006  
Date

JOINT INVENTION  
Attorney Docket No. 3495.0010-01

### ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

**CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)**

for which an application for United States Letters Patent was filed on February 22, 1988 (Application No. 07/158,652); and

WHEREAS, Institut Pasteur, whose post office address is 28, rue du Docteur Roux, 75724 Paris Cedex 15, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

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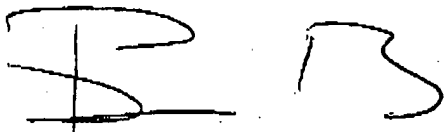
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IN TESTIMONY WHEREOF, I have hereunto set my hand.

FRANÇOISE BRUN-VEZINET  
Françoise Brun-Vezinet

30/05/06  
Date



JOINT INVENTION  
Attorney Docket No. 3495.0010-01

### ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an Invention entitled:

**CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)**

for which an application for United States Letters Patent was filed on February 22, 1988 (Application No. 07/158,652); and


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IN TESTIMONY WHEREOF, I have hereunto set my hand.

  
\_\_\_\_\_  
Luc Montagnier

May 29 2006  
Date

JOINT INVENTION  
Attorney Docket No. 3495.0010-01

### ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

**CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)**

for which an application for United States Letters Patent was filed on February 22, 1988 (Application No. 07/158,652); and

WHEREAS, Institut Pasteur, whose post office address is 28, rue du Docteur Roux, 75724 Paris Cedex 15, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

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IN TESTIMONY WHEREOF, I have hereunto set my hand.

Jean-Claude Chermann  
Jean-Claude Chermann

May 26, 06  
Date

JOINT INVENTION  
Attorney Docket No. 3495.0010-01

### ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

**CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)**

for which an application for United States Letters Patent was filed on February 22, 1988 (Application No. 07/158,652); and

WHEREAS, Institut Pasteur, whose post office address is 28, rue du Docteur Roux, 75724 Paris Cedex 15, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

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IN TESTIMONY WHEREOF, I have hereunto set my hand.

  
\_\_\_\_\_  
Françoise Barre-Sinoussi

05.24.2006  
Date

JOINT INVENTION  
Attorney Docket No. 3495.0010-01

### ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

**CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)**

for which an application for United States Letters Patent was filed on February 22, 1988 (Application No. 07/158,652); and


WHEREAS, Institut Pasteur, whose post office address is 28, rue du Docteur Roux, 75724 Paris Cedex 15, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

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IN TESTIMONY WHEREOF, I have hereunto set my hand.



Pierre Tiollais

24 mai 06  
Date





PATENT  
Customer No. 22,852  
Attorney Docket No. 3495.0010-01

In re Application of: )  
Marc ALIZON et al. ) Group Art Unit: 1637  
Application No.: 07/158,652 ) Examiner: Jeffrey Norman Fredman  
Filed: February 22, 1988 ) Confirmation No.: 3369  
For: CLONED DNA SEQUENCE )  
RELATED TO THE GENOMIC RNA )  
OF HUMAN IMMUNODEFICIENCY )  
VIRUS TYPE 1 (HIV-1)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**SUBMISSION UNDER 37 C.F.R. § 3.73(b)**

The United States of America as represented by the Secretary of the Department of Health and Human Services, having its principal place of business at 900 Rockville Pike, Bethesda, Maryland 20892, submits that it, together with Institut Pasteur of Paris, France, are the Assignees and owners of 100% of the right, title, and interest in the patent application identified above. The United States of America as represented by the Secretary of the Department of Health and Human Services' ownership interest is evidenced by:

Assignments from Robert C. Gallo, Mikulas Popovic, and Mangalasseril G. Sarngadharan, who are being added as inventors to the patent application identified above; copies of these Assignments are included in Exhibit A attached hereto.

The undersigned is authorized to act on behalf of the assignee, The United States of America as represented by the Secretary of the Department of Health and Human Services.

I hereby declare that all statements made of my own knowledge and belief are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

By: *Jack Saifge*  
Name: JACK SAIFGE (REG # 34,477)  
Title: SENIOR ADVISOR FOR TECHNOLOGY TRANSFER OPERATIONS  
Assignee: The United States of America  
as represented by the  
Secretary of the Department of  
Health and Human Services.

Dated: JUNE 5, 2006

### ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)

for which an application for United States Letters Patent was filed on February 22, 1988 (Application No. 07/158,652); and


WHEREAS, The United States of America as represented by the Secretary of the Department of Health and Human Services, whose post office address is 900 Rockville Pike, Bethesda, Maryland 20892 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;


NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States, which may be granted thereon, and all reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

  
Robert C. Gallo

  
Date

### ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

**CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)**

for which an application for United States Letters Patent was filed on February 22, 1988 (Application No. 07/158,652); and


WHEREAS, The United States of America as represented by the Secretary of the Department of Health and Human Services, whose post office address is 900 Rockville Pike, Bethesda, Maryland 20892 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

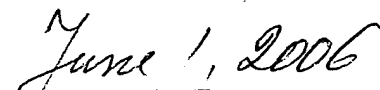
NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States, which may be granted thereon, and all reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

  
Mikulas Popovic

  
Date

### ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

CLONED DNA SEQUENCE RELATED TO THE GENOMIC RNA OF  
HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)

for which an application for United States Letters Patent was filed on February 22, 1988 (Application No. 07/158,652); and

WHEREAS, The United States of America as represented by the Secretary of the Department of Health and Human Services, whose post office address is 900 Rockville Pike, Bethesda, Maryland 20892 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States, which may be granted thereon, and all reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

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AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Mangalasseril G. Sarngadharan  
Mangalasseril G. Sarngadharan

June 4, 2006  
Date

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